SEQUENCE LISTING

<110> Afar, Daniel E.
Hubert, Rene S.
Raitano, Arthur B.

<120> PHELIX: A TESTIS-SPECIFIC PROTEIN
EXPRESSED IN CANCER

<130> 511582002700

<140> 09/389,000
<141> 1999-08-31

<150> 60/098,610
<151> 1998-08-31

<150> 60/106,524
<151> 1998-10-03

<160> 14

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<210> 1
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<212> DNA
<213> Homo sapiens

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aaggaagaga gaaactacaa cttcgacggt gtgagcacca accgcctgaa acagcagttg 180
ctggaagaag tccgcaagaa gtagtgaatg gaaaacccgt tatgagacac aacttgaatt 240
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aaacacatta cttaaacagc tagaagaaga aaagaagact cttgaaagtc aagtgaaata 420
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gagctgtctc tcccaggcac tgtcatggca cagcgggaaa acagtgtgat gagcacttac 1440
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gatgcagaga gctccttgga tgaagctgtg agagttccat caagctccgc ctcagagaat 1560

gctattggtg atccatataa aactcacatt tccagtgcag cgctgtctct gaattccttg 1620
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<210> 2
<211> 405
<212> PRT
<213> Homo sapiens

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Ala Ile Lys Leu Ile Arg Phe Gly Lys Lys Lys Asn Thr His Ser Leu
            20   25   30
Phe Val Phe Ile Ile Pro Glu Asn Phe Lys Gly Cys Ile Ser Gly His
        35   40   45
Gly Met Asp Ile Ala Leu Thr Glu Pro Leu Thr Met Glu Lys Met Ser
    50   55   60
Asn Val Val Lys Tyr Trp Thr Thr Cys Pro Ser Asn Thr Val Lys Thr
65   70   75   80
Glu Asn Ala Thr Gly Pro Glu Glu Leu Gly Leu Pro Leu Gln Arg Ser
                85   90   95
Tyr Ser Glu His Leu Gly Tyr Phe Pro Thr Asp Leu Phe Ala Cys Ser
            100   105   110
Glu Ser Leu Arg Asn Gly Asn Gly Leu Glu Leu Asn Ala Ser Leu Ser
        115   120   125
Glu Phe Glu Lys Asn Lys Lys Ile Ser Leu Leu His Ser Ser Lys Glu
    130   135   140
Lys Leu Arg Arg Glu Arg Ile Lys Tyr Cys Cys Glu Gln Leu Arg Thr
145   150   155   160
Leu Leu Pro Tyr Val Lys Gly Arg Lys Asn Asp Ala Ala Ser Val Leu
                165   170   175
Glu Ala Thr Val Asp Tyr Val Lys Tyr Ile Arg Glu Lys Ile Ser Pro
            180   185   190
Ala Val Met Ala Gln Ile Thr Glu Ala Leu Gln Ser Asn Met Arg Phe
        195   200   205
Cys Lys Lys Gln Gln Thr Pro Ile Glu Leu Ser Leu Pro Gly Thr Val
    210   215   220
Met Ala Gln Arg Glu Asn Ser Val Met Ser Thr Tyr Ser Pro Glu Arg
225   230   235   240
Gly Leu Gln Phe Leu Thr Asn Thr Cys Trp Asn Gly Cys Ser Thr Pro
                245   250   255
Asp Ala Glu Ser Ser Leu Asp Glu Ala Val Arg Val Pro Ser Ser Ser
            260   265   270
Ala Ser Glu Asn Ala Ile Gly Asp Pro Tyr Lys Thr His Ile Ser Ser
        275   280   285
Ala Ala Leu Ser Leu Asn Ser Leu His Thr Val Arg Tyr Tyr Ser Lys
    290   295   300
Val Thr Pro Ser Tyr Asp Ala Thr Ala Val Thr Asn Gln Asn Ile Ser
305   310   315   320

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Ile His Leu Pro Ser Ala Met Pro Pro Val Ser Ser Phe Ser Leu Gly
                325                 330                 335
Thr Ala Leu Leu Gly Trp Ala Arg Arg Ala Leu His Ile Pro Thr Val
            340                 345                 350
Cys Asn Ser Phe Gly Arg Ile Lys Ser Thr Cys Leu Lys Phe Thr Leu
        355                 360                 365
Ser Thr Thr Tyr Trp Ala Gln Phe Asp Asn Leu Gly Lys Val Glu Gln
    370                 375                 380
Arg Met Ile Leu Lys Ala Pro Pro Lys Asp Leu Ile Ser Lys Glu Leu
385                 390                 395                 400
Ala Trp Phe Gly Phe
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<210> 3
<211> 50
<212> PRT
<213> Rattus norvegicus

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<400> 3
His Asn Ala Leu Glu Arg Lys Arg Arg Asp His Ile Lys Asp Ser Phe
 1               5                  10                  15
His Ser Leu Arg Asp Ser Val Pro Ser Leu Gln Gly Glu Lys Ala Ser
            20                  25                  30
Arg Ala Gln Ile Leu Asp Lys Ala Thr Glu Tyr Ile Gln Tyr Met Arg
        35                  40                  45
Arg Lys
    50
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<210> 4
<211> 24
<212> PRT
<213> Brachydanio rerio

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<400> 4
His Asn Glu Leu Glu Lys Asn Arg Arg Ala His Leu Arg Leu Cys Leu
 1               5                  10                  15
Glu Arg Leu Lys Thr Leu Ile Pro
            20
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<210> 5
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 5
ttttgatcaa gctt 14

<210> 6
<211> 42
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA Adaptor 1

<400> 6
ctaatacgac tcactatagg gctcgagcgg ccgcccgggc ag 42

<210> 7
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA Adaptor 2

<400> 7
gtaatacgac tcactatagg gcagcgtggt cgcggccgag 40

<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer 1

<400> 8
ctaatacgac tcactatagg gc 22

<210> 9
<211> 22
<212> DNA
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<220>

<223> Nested primer (NP)1

<400> 9
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<210> 10
<211> 20
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<220>
<223> Nested primer (NP)2

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<210> 11
<211> 23
<212> DNA
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<223> RT-PCR primer 22P4G9.1

<400> 11
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<210> 12
<211> 24
<212> DNA
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<220>
<223> RT-PCR primer 22P4G9.2

<400> 12
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<210> 13
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<212> DNA
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<220>
<223> Primer

<400> 13
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<210> 14
<211> 26
<212> DNA
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<220>
<223> Primer

<400> 14
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